

THE CLAIMED INVENTION IS:

1. A method for communicating one or more dial digits associated with a telecommunication system call record, the dial digits being transmitted from a remote telecommunication device, comprising:

receiving the one or more dial digits;

transmitting the one or more dial digits to a computer system at a local site; and

storing the one or more dial digits in a database in communication with the computing system.

2. The method according to claim 1, wherein receiving the one or more dial digits comprises receiving the one or more dial digits from a telecommunication switch.

3. The method according to claim 2, wherein transmitting comprises transmitting the one or more dial digits from the telecommunication switch to the computing system.

4. The method according to claim 1, wherein communicating the one or more dial digits occurs in real-time.

5. The method according to claim 1, wherein receiving the one or more dial digits includes receiving the one or more dial digits from a wireless device.

6. The method according to claim 1, further comprising analyzing the one or more dial digits received from the telecommunication switch.

7. The method according to claim 6, wherein analyzing the one or more dial digits further comprises parsing the one or more dial digits.

8. The method according to claim 1, further comprising generating reports associated with the one or more dial digits according to predetermined criteria.

9. The method according to claim 8, further comprising providing the reports to an output device in communication with the computing system.

10. A method for communicating one or more telecommunication call records associated with a telecommunication system, the one or more call records being transmitted from a remote telecommunication device, comprising:

receiving the one or more telecommunication call records;
transmitting the one or more telecommunication call record from the switch to a computing system at a local site; and
storing the one or more telecommunication call record in a database in communication with the computing system.

11. The method according to claim 10, wherein receiving the one or more call records comprises receiving the one or more call records from a telecommunication switch.

12. The method according to claim 11, wherein transmitting comprises transmitting the one or more call records from the telecommunication switch to the computing system.

13. The method according to claim 10, wherein communicating the one or more call records occurs in real-time.

14. The method according to claim 10, wherein receiving the one or more call records includes receiving the one or more call records from a wireless device.

15. The method according to claim 10, further comprising analyzing the one or more call records received from the telecommunication switch.

16. The method according to claim 15, wherein analyzing the one or more call records comprises parsing the one or more call records.

17. The method according to claim 1, further comprising generating reports associated with the one or more call records according to predetermined criteria.

18. The method according to claim 17, further comprising providing the reports to an output device in communication with the computing system.

19. A system for communicating one or more telecommunication call records associated with a telecommunication system, the one or more call records being transmitted from a remote telecommunication device, comprising:

a telecommunication switch; and

a computing system adapted for communicating with the telecommunication switch, the computing system including one or more computers having one or more processors for executing one or more sets of logic instructions, a memory circuit for storing the one or more sets of logic instructions to be executed and a storage device in communication thereto; and

wherein the one or more sets of logic instructions are executed to cause the computer system to:

establish a communication link between the computing system and the telecommunication system;

receive the telecommunication call records; and

store the telephone call records in the storage device.

20. The system according to claim 19, further comprising a switch master in communication with the telecommunication switch and the computing system.

21. The system according to claim 19, further comprising a server in communication with the computing system.

22. The system according to claim 19, wherein the computing system further comprises a plurality of computers interconnected in a network.

23. The system according to claim 19, wherein one or more processors of the computing system are operative in accordance with the one or more sets of logic instructions stored in the memory circuit of the computing system to establish a communication session with the telecommunication switch.

24. The system according to claim 19, wherein one or more processors of the computing system are operative in accordance with the one or more sets of logic instructions stored in the memory circuit of the computing system to parse the one or more telecommunication call records received from the telephone switch circuit.

25. The system according to claim 19, wherein one or more processors are operative in accordance with the one or more sets of logic instructions stored in the memory circuit of the computer to provide a user interface.

26. The system according claim 19, wherein the one or more processors are operative with the one or more sets of logic instructions to provide the user with an option for sorting the telecommunication call records in accordance with a criteria selected from the group consisting of a telephone number, a telephone identification number and one or more dialed digits.

27. A computer implemented method for managing one or more call records associated with a telecommunication system, the call records being transmitted from a remote telecommunication device, comprising:

receiving one or more telephone call records into a computing system;
inputting into the computing system an identifier; and
generating a report based on the identifier.

28. The method according to claim 27, wherein receiving the one or more telecommunication call records comprises:

receiving the one or more telecommunication call records at a telecommunication switch;
routing the one or more telecommunication call records to one or more computers in communication with the computing system; and
storing the one or more telecommunication call records in a storage device in communication with the computing system.

29. The method according to claim 27, further comprising downloading one or more sets of computer instructions to the computing system from a server in communication therewith.

30. The method according to claim 27, wherein receiving the telecommunication call records further comprises receiving telecommunication call records including records selected from the group consisting of an originating telephone number, a telephone number dialed by a subscriber, a voice channel seizure time, a voice channel seizure date, a duration time of a telephone call and a cell location of a telephone call.

31. The method according to claim 27, wherein generating a report further comprises generating a report based on an identifier selected from the group consisting of a telecommunication device number, a telecommunication device identification number and one or more digits dialed by the telecommunication device.

SGP
AI
32. A computer readable medium having a set of computer instructions encoded thereon, comprising:

the set of computer instructions being operative with a computer adapted for communicating with a telecommunication system and adapted for communicating with a storage device, the set of computer instructions cause the computer to:

receive telecommunication call records from a telecommunication switch;

store the telecommunication call records in a storage device; and

generate one or more reports based on predetermined criteria.

002221-00594250

33. A system for managing telephone call records, comprising:
a telecommunication switch input circuit;
a switch master in communication with the telecommunication switch;
a computing system including one or more computers having one or more processors in communication with the switch master, the computing system including:
one or more storage devices in communication therewith;
a memory coupled to the one or more processors;
one or more storage devices in communication thereto; and
one or more sets of computer instructions configured to be executed by the computing system, the one or more sets of computer instructions being operative with the computing system to perform acts selected from the group consisting of setting one or more storage tables to a known state, checking the status of the one or more sets of executing computer instructions, providing a real-time summary of the telecommunication call records, providing an output report based on a telecommunication device number, providing an output report based on a telecommunication device identification number, providing an output report based on a number of digits dialed by the telecommunication device and establishing a communication session with the telecommunication switch input circuit.

34. The system according to claim 33, further comprising a server coupled to the computing system.

35. The system according to claim 34, wherein the computing system provides the telecommunication call records to the server.

36. The system according to claim 33, wherein the computing system further comprises a plurality of computers interconnected in a network.

37. A system for managing telephone call records, comprising:
telecommunication switching means for receiving one or more telephone call records
from a telecommunication device;
computing system means in communication with the telecommunication switching
means; and
storage means in communication with the computing means for storing
telecommunication call records therein.

38. The system according to claim 37, further comprising computer server means in
communication with the computing system means.

39. The system according to claim 37, further comprising switch master means in
communication with the telecommunication switching means and the computing system means.

40. An apparatus for managing telephone call records, comprising:
a computer adapted for communicating with a switch master, the computer including:
one or more processors;
one or more storage devices adapted for communicating with the one or more
processors;
one or more memory circuits adapted for communicating with the one or more
processors and the one or more storage devices; and
one or more sets of computer instructions configured for being executed by the
computer, the one or more sets of computer instructions being operative with the computer to
perform acts selected from the group consisting of setting one or more storage tables to a known
state, checking the status of the one or more sets of executing instructions, providing a real-time
summary of the telecommunication call records, providing an output report based on a
telecommunication device number, providing an output report based on a telecommunication
device identification number, providing an output report based on a number of digits dialed by
the telecommunication device and establishing a communication session with the
telecommunication switch input circuit.

41. A computer readable medium having a set of computer instructions encoded
thereon, comprising:

the set of computer instructions being operative with a computer adapted for
communicating with a telecommunication network and adapted for communicating with a
storage device, the set of computer instructions cause the computer to:

establish a communication link between the computing system and the
telecommunication system;

receive the telecommunication call records; and

store the telephone call records in the storage device.